

95. (Four Times Amended) A method for controlling copyrights of digital data comprising:

supplying encrypted digital data to a user;

in response to a request by said user, supplying a utilization permit key including a crypt key from the key control center to said user, said utilization permit key permitting at least one of displaying, editing, storing, copying and transferring;

decrypting said encrypted digital data into decrypted digital data using said crypt key and performing the at least one of displaying, editing, storing, copying and transferring permitted by said utilization permit key.

111. (Four Times Amended) A method for controlling copyrights of digital data comprising:

supplying encrypted digital data to a user;

in response to a request by said user, supplying a utilization permit key including a crypt key to said user, said utilization permit key permitting at least one of displaying, editing, storing, copying and transferring;

decrypting said encrypted digital data into decrypted digital data using said crypt key and displaying and/or editing said decrypted digital data by said user;

encrypting said decrypted digital data into again encrypted digital data by said user;

and

storing, copying and/or transferring the again encrypted digital data.

127. (Four Times Amended) A method for controlling copyrights of digital data comprising:

supplying encrypted digital data to a user;

supplying a utilization permit key including a crypt key to said user, said utilization permit key permitting at least one of displaying, editing, storing, copying and transferring;

decrypting said encrypted digital data into decrypted digital data using said crypt key;

displaying said decrypted digital data as permitted by said utilization permit key;

editing said decrypted digital data as permitted by said utilization permit key;

encrypting said decrypted data again and storing said digital data as permitted by said utilization permit key;

encrypting said decrypted data again and copying said digital data as permitted by said utilization permit key; and

encrypting said decrypted data again and transferring said digital data as permitted by said utilization permit key.

Please ADD the following new claims:

153. The method of claim 95, further comprising managing by a copyright control program.

154. The method of claim 111, further comprising managing by a copyright control program.

155. The method of claim 127, further comprising managing by a copyright control program.

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156. A method of controlling copyrights of digital data, comprising:
supplying to a user at least one of a plurality of utilization permit keys that corresponds to at least one of different types of uses of the digital data requested by the user, each of the utilization permit keys permitting only the corresponding at least one of the different types of uses of the digital data; and

decrypting encrypted digital data using the at least one of the plurality of utilization permit keys for performance of only the requested use of the digital data.

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157. A method according to claim 156, wherein the different types of uses of the digital data include display, edit, storage, copy, and transfer.

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158. A method according to claim 156, wherein the plurality of utilization permit keys include a display permit key permitting only display of the digital data, an edit permit key permitting only display and editing of the digital data, a storage permit key permitting only storage of the digital

data, a copy permit key permitting only copying of the digital data, and a transfer permit key permitting only transferring of the digital data.

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~~159.~~ A method according to claim ¹~~156~~, wherein a copyright control program ensures said decrypting is for performance of only the requested use of the digital data.

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~~160.~~ A method according to claim ¹~~156~~, further comprising displaying a copyright control message by a copyright control program when the user attempts one of the different types of uses of the digital data different from the requested use of the digital data.

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~~161.~~ A method according to claim ¹~~156~~, further comprising limiting, by a copyright control program, a number of times the digital data is used.

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~~162.~~ A method according to claim ¹~~156~~, further comprising limiting, by a copyright control program, a number of times the at least one of the plurality of utilization permit keys is used for decryption of the encrypted digital data for the requested use of the digital data.

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~~163.~~ A method according to claim ¹~~156~~, further comprising maintaining, by a copyright control program, copyright information on the digital data.

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~~164.~~ A method according to claim ⁸~~163~~, wherein the copyright information includes history information on authorship.

¹⁰
~~165.~~ A method according to any one of claims ⁴~~159~~ to ⁸~~163~~, further comprising supplying the copyright control program to the user with the at least one of the plurality of utilization permit keys.

¹¹
~~166.~~ A method according to any one of claims ⁴~~159~~ to ⁸~~163~~, further comprising supplying the copyright control program to the user with the encrypted digital data.

¹²
~~167.~~ A method according to claim ¹~~156~~, wherein the database includes a key control center for said maintaining of the plurality of utilization permit keys.

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~~168.~~ A method according to claim ¹²~~167~~, further comprising supplying the copyright control program from the key control center to the user with the at least one of the plurality of utilization permit keys.

¹⁴
~~169.~~ A method of controlling copyrights of digital data, comprising:
supplying to a user at least one of a plurality of utilization permit keys that corresponds to at least one of the different types of uses of the digital data requested by the user

including display, edit, copy, storage, and transfer, each of the utilization permit keys permitting only the corresponding at least one of the different types of uses of the digital data;

decrypting encrypted digital data using the at least one of the plurality of utilization permit keys only when the requested use is display or edit; and

performing only the requested use of the digital data based on the at least one of the plurality of utilization permit keys.

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170. A method according to claim 14, further comprising encrypting the decrypted digital data again after performance of the requested use, when the requested use is display or edit.

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171. A method according to claim 14, wherein the plurality of utilization permit keys include a display permit key permitting only display of the digital data, an edit permit key permitting only display and editing of the digital data, a storage permit key permitting only storage of the digital data, a copy permit key permitting only copying of the digital data, and a transfer permit key permitting only transferring of the digital data.

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172. A method according to claim 14, wherein a copyright control program ensures said step of performing is only of the requested use of the digital data.

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~~173.~~ A method according to claim ¹⁴~~169~~, further comprising displaying a copyright control message by a copyright control program when the user attempts one of the different types of uses of the digital data different from the requested use of the digital data.

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~~174.~~ A method according to claim ¹⁴~~169~~, further comprising limiting, by a copyright control program, a number of times the digital data is used.

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~~175.~~ A method according to claim ¹⁴~~169~~, further comprising limiting, by a copyright control program, a number of times the at least one of the plurality of utilization permit keys is used for decryption of the encrypted digital data.

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~~176.~~ A method according to claim ¹⁴~~169~~, further comprising maintaining, by a copyright control program, copyright information on the digital data.

²²
~~177.~~ A method according to claim ²¹~~176~~, wherein the copyright information includes history information on authorship.

²³
~~178.~~ A method according to any one of claims ¹⁷~~172~~ to ²¹~~176~~, further comprising supplying the copyright control program to the user with the at least one of the plurality of utilization permit keys.

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²⁴
~~179~~: A method according to any one of claims ¹⁷~~172~~ to ²¹~~176~~, further comprising supplying the copyright control program to the user with the encrypted digital data.

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~~180~~: A method according to claim ¹⁴~~169~~, wherein the database includes a key control center for said maintaining of the plurality of utilization permit keys.

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~~181~~: A method according to claim ²⁵~~180~~, further comprising supplying the copyright control program from the key control center to the user with the at least one of the plurality of utilization permit keys.

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